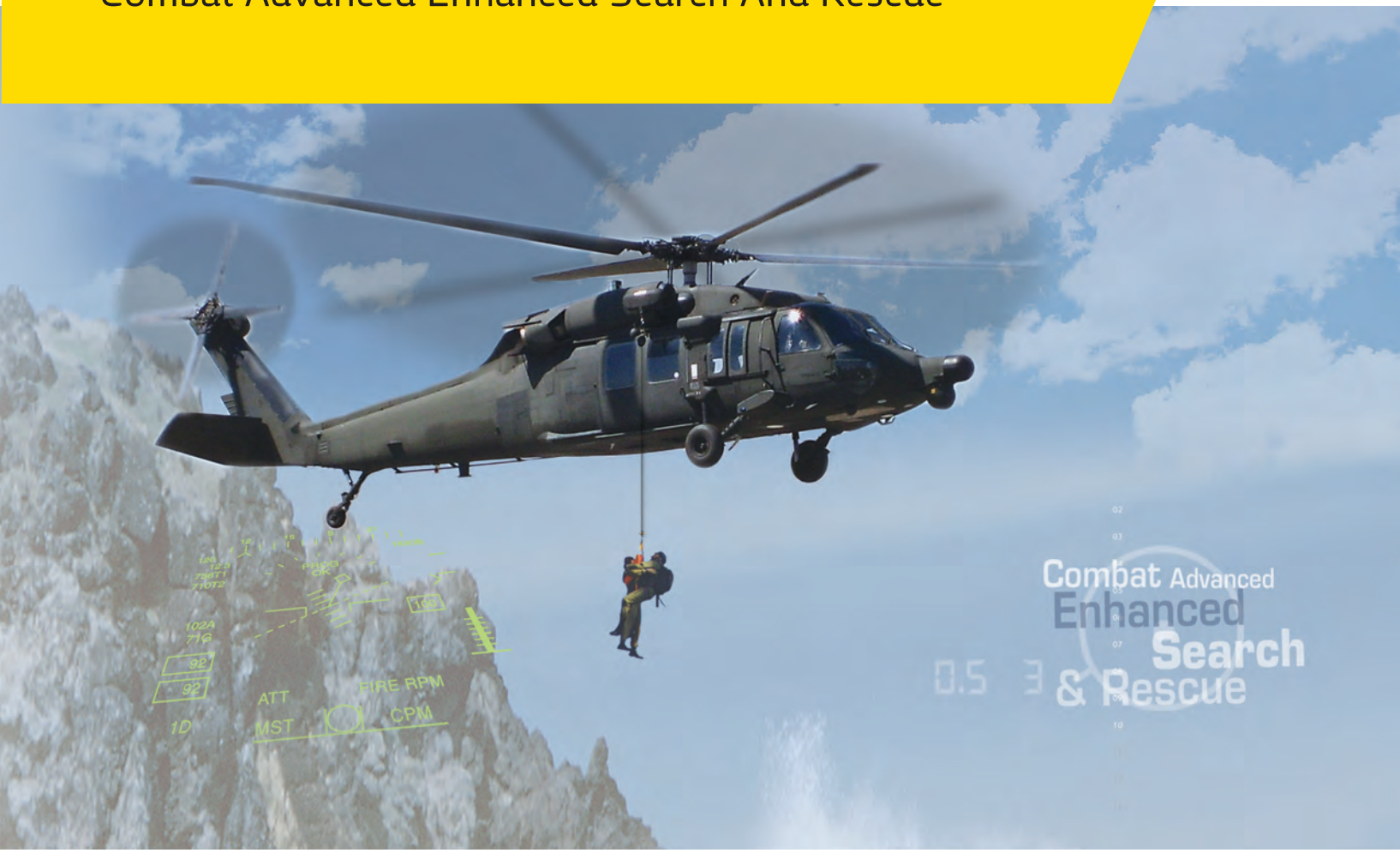
CaeSAR

Combat Advanced Enhanced Search And Rescue



Elbit Systems™
Aerospace

CaeSAR

Anytime, Anywhere

The Mission

SAR & CSAR are among the most demanding missions performed by helicopter pilots, requiring Personal Recovery Operation (PRO) in a hostile environment and safe return.

The CaeSAR (Combat Advanced Enhanced Search And Rescue) avionics suite represents a new and innovative approach to SAR and CSAR missions.

CaeSAR enhances mission efficiency, survivability and flight safety by enabling mission-oriented integration and data exchange of all systems on board.

CaeSAR is a modular, integrated avionics system specially designed to support SAR & CSAR missions.

It assures accurate navigation, reconnaissance and observation, and day/night head-out flight capabilities in all weather conditions.

Major Advantages

- Enhanced safety for day & night flight
- Head-out operation
- Enhanced mission efficiency day & night tactical flight
- Improved crew coordination
- Operation during adverse weather
- Fast response
- Real-time mission management
- Pre-flight and in-flight mission planning and editing
- Post flight accurate mission debriefing
- Enhanced survivability
- Integrated EW suite
- Threat avoidance
- Obstacle awareness, enhanced situation awareness

Integrated Solution

System Description

- **CaeSAR** comprises Elbit Systems' most advanced subsystems:
- **ANVIS/HUD™24** – Pilot and Co-Pilot
- Day/Night Helmet Display System, for head out flight. Improves flight safety
- **HeliC³om** – Digital Map and Mission
- Management C⁴I System. Improves navigation
- and mission management
- **CoMPASS™** – Day/CCD and night/FLIR
- Electro-Optic Payload for reconnaissance and
- observation
- **DVR** – Digital Video Recorder & mission
- data loader for loading pre planned mission,
- recording flight data, and post flight download
- mission data
- **PLS** – Pilot Locator System
- NVG/non NVG Search Light
- Data Link & C⁴I capabilities
- Mission Planning & Debriefing Ground Station
- EW suite
- Head Tracker – Helmet Pointing System Improves crew coordination and mission efficiency

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